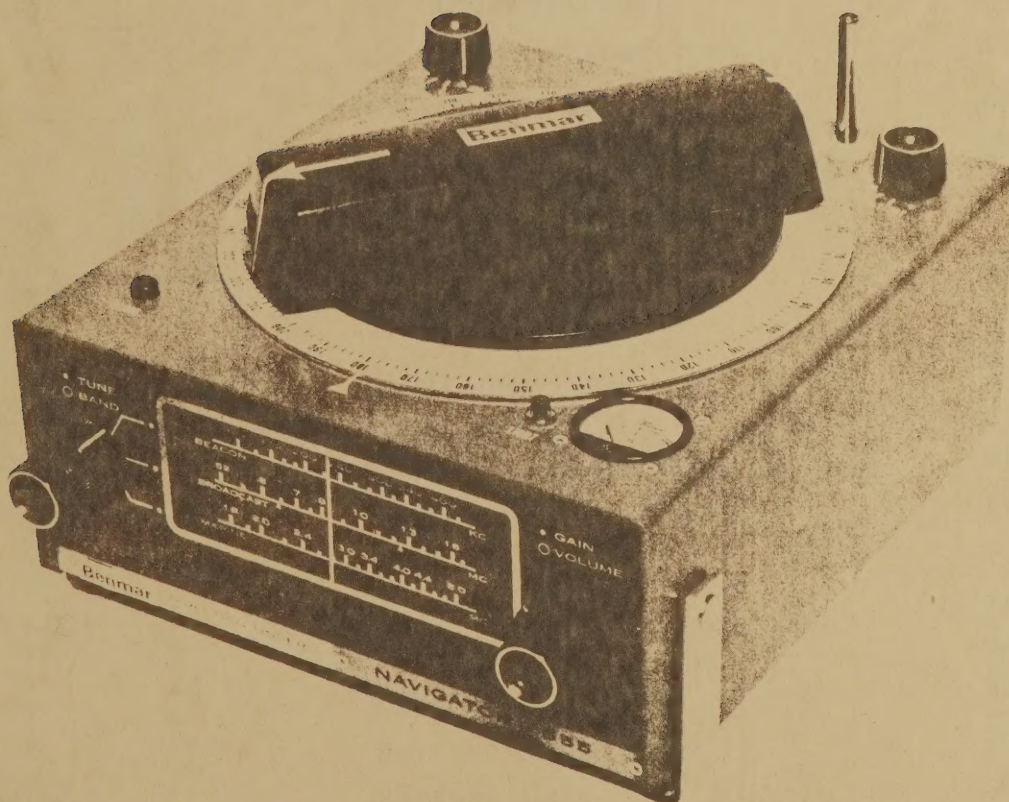


Benmar

PORTABLE DIRECTION FINDER NAVIGATOR 555 INSTRUCTION MANUAL

Manual No. 3159492
4th Edition



Benmar
DIVISION COMPUTER EQUIPMENT CORP

3000 W. Warner, Santa Ana, Calif. 92704 (714) 540-5120

	Null meter	K3610102
C12	Tuning Condenser	K2852409
C24	50 mmf Variable Ceramic	K2822206
L1	BC Antenna	K3138001
L2	Beacon Antenna	K3138002
L3	Osc Marine	K3138003
Q1, 2	Transistor	2SA80
Q4, 5, 6, 7, 8	Transistor	2SA12
Q9	Transistor	2SB75
Q10	Transistor	2SB77
Q11, 12	Transistor	2SB79
SW1	Switch	K2900035
SW2	Switch	K2900033
SW3	Switch	K2900034
SW4	Switch	K2950450
T1	RF Marine Transformer	K3238001
T2	RF BC Transformer	K3238002
T3	RF Beacon Transformer	K3238003
T4	Osc Marine Transformer	K3238004
T5	Osc BC Transformer	K3238005
T6	Osc Beacon Transformer	K3238006
T7	IF Transformer	K3238007
T8	IF Transformer	K3238008
T9	IF Transformer	K3238009
VR1, 2, 3 (Internal)	Gain Control	K1217167
	IF & LF Printed Circuit Assy	K8738011
	RF Printed Circuit Assy	K8738010
	Dial Mechanism	K5738001
	Knob Band	K4334101
	Knob Tune	K4330111
	Knob Gain	K4331111
	Switch Light SW-6	3159790
	Battery Case	3159791
	Knob Volume	K4335101
	Knob Crystal & Sense	K4332111
	Audio & RF Gain Control	K1438276

DIAL CORD REPLACEMENT

If the dial cord breaks, replace in the following manner.

1. Take out the RF unit from the case in accordance with unit disassembly steps.
2. Remove the dial together with four screws. (Fig. 1)
3. Thread the dial cord in the manner shown in (Fig. 2). Necessary length of the dial cord is specified in (Fig. 3).
4. Thread the dial cord starting at (A) and passing to (E) and (F), at which point the cord is wrapped three turns. At (G) turn the dial drive shaft to the left and right while pulling the cord so that it does not slacken.
5. Wind the cord around the pulley one turn at (H), insert at (I), and secure the cord end at wheel (J).
6. Installing the dial.
7. To determine the position of the dial indicator, turn the dial drive shaft, set the indicator to the left end scale mark, and insert the dial cord into the dial indicator drive portion. After this, secure the dial cord with enamel so that it does not shift from the correct position.

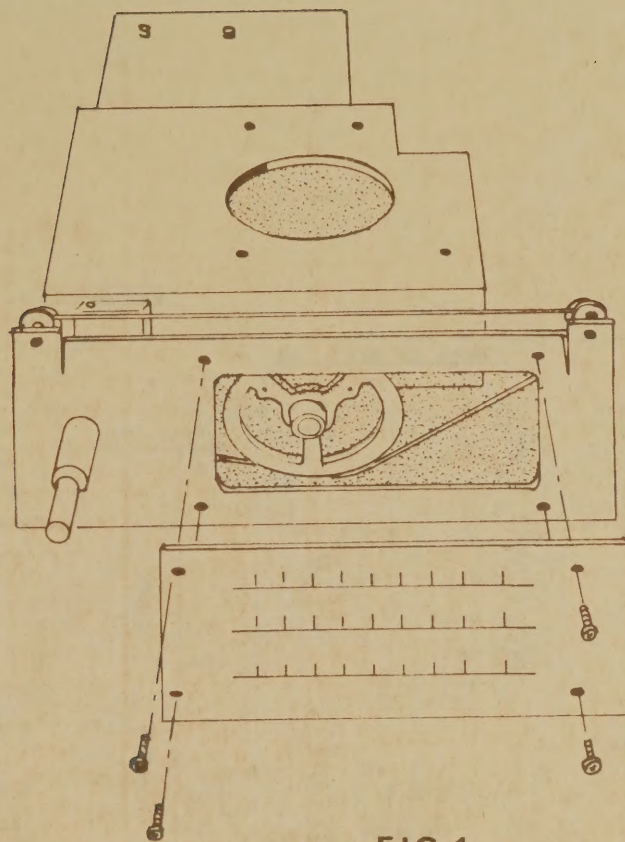


FIG. 1

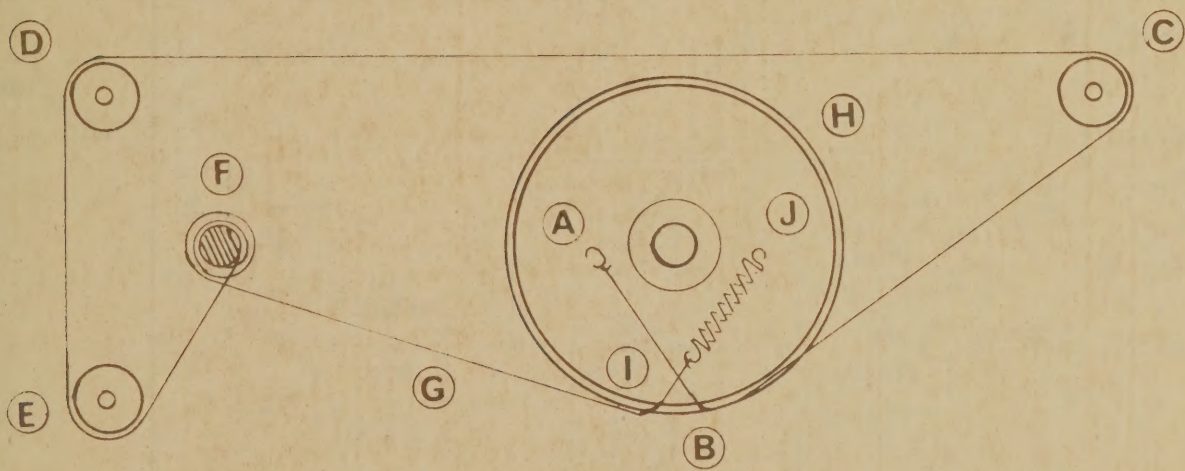


FIG. 2

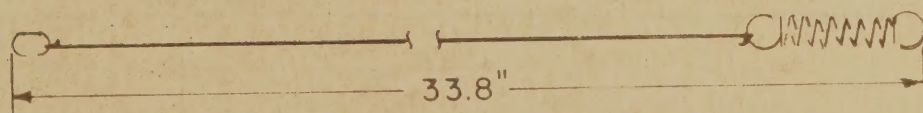
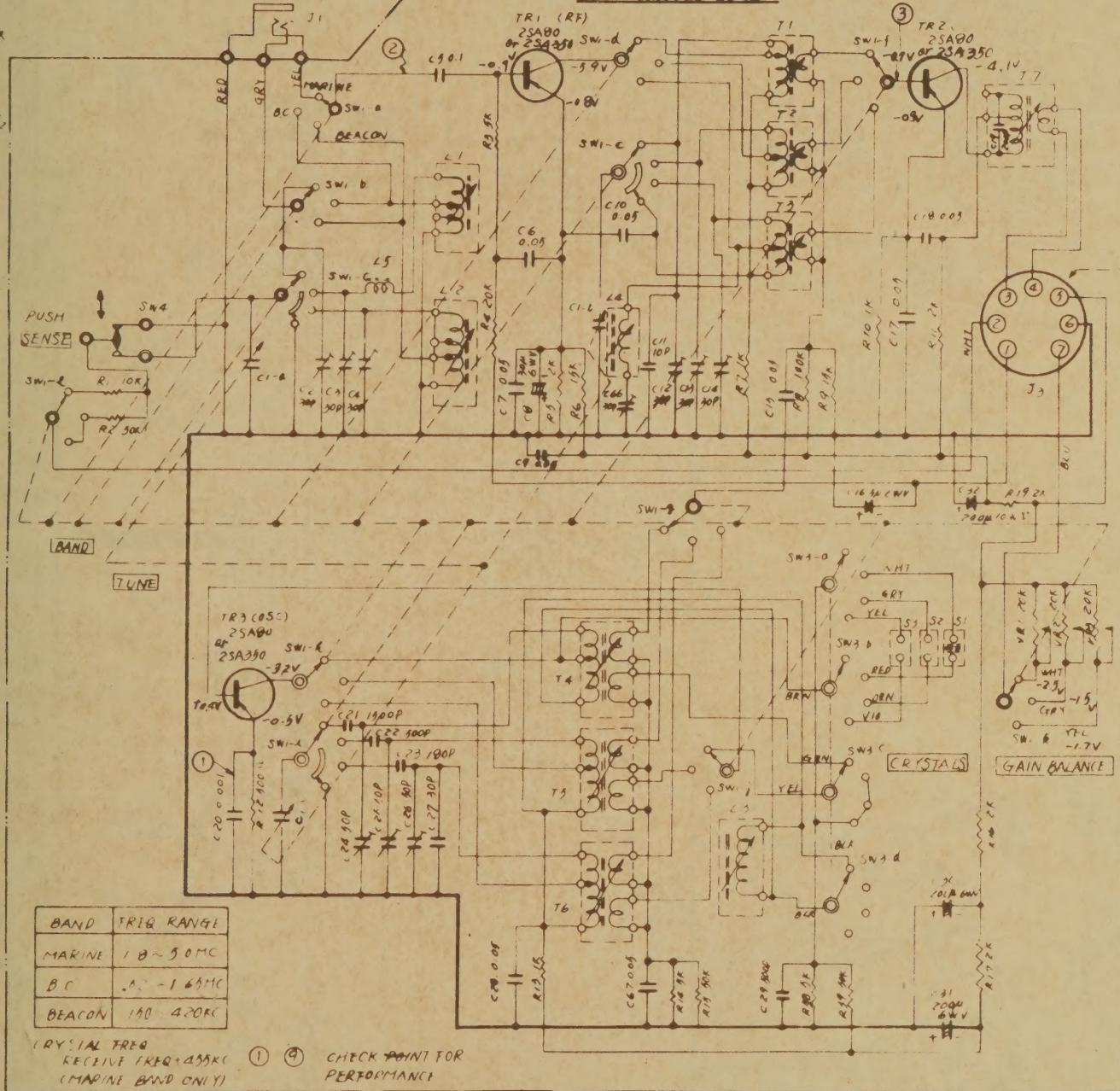


FIG. 3

SENSE ANTENNA

LO LOOP ANTENNA

RF PRINTED BOARD



LE & AF PRINTED BOARD

